

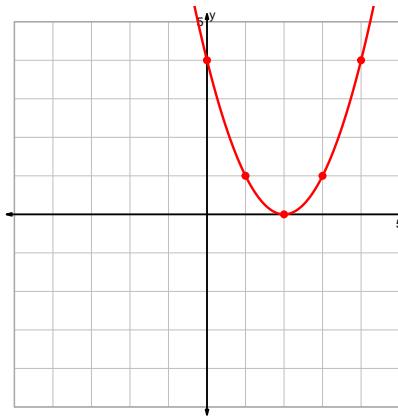
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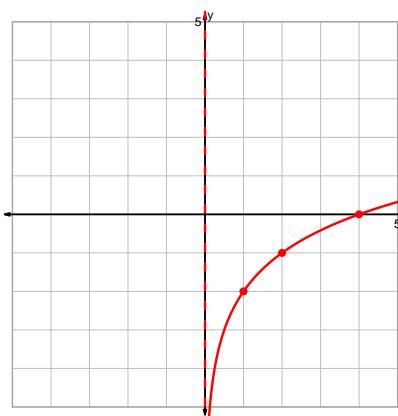
**Unit-2 Reduced Mastery Assessment (version 316)****Question 1 (20 points)**

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

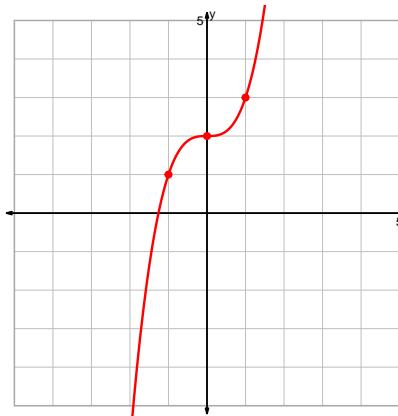
$$y = (x - 2)^2$$



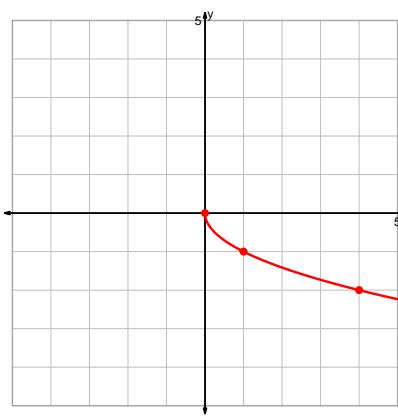
$$y = \log_2(x) - 2$$



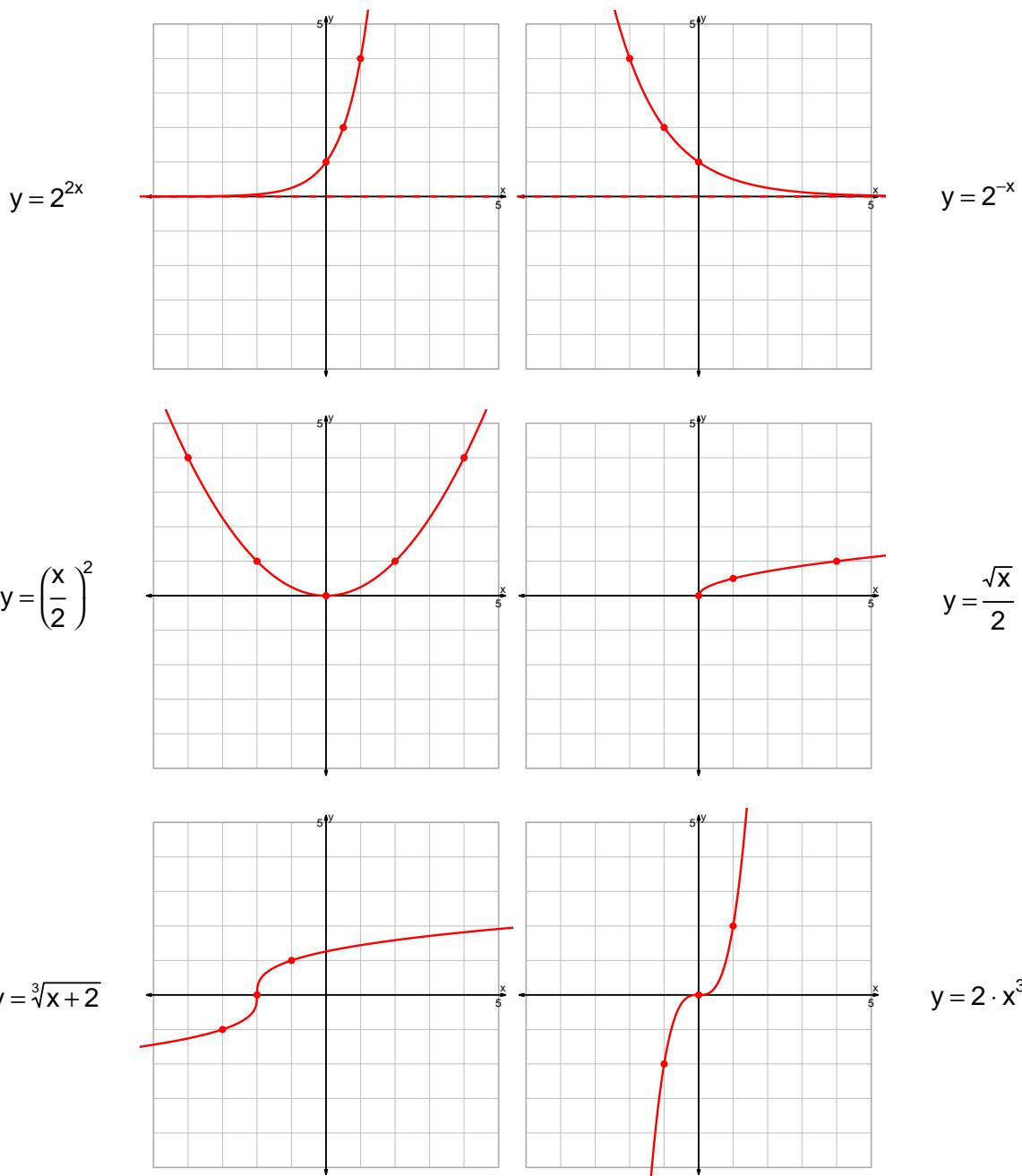
$$y = x^3 + 2$$



$$y = -\sqrt{x}$$

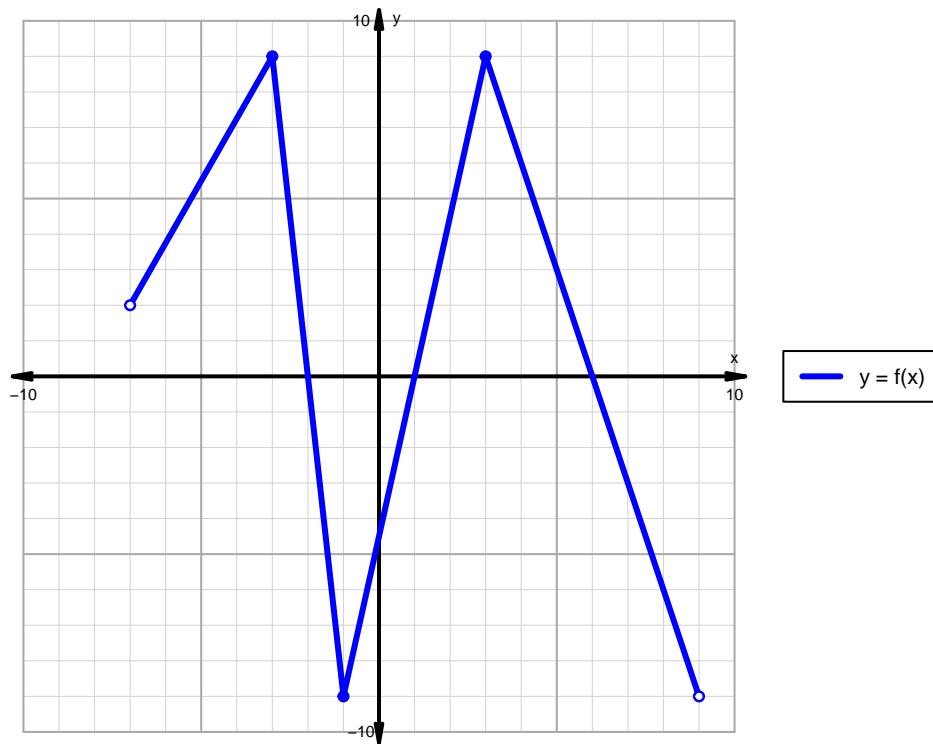


Question 2 continued...



**Question 2 (20 points)**

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	$(-7, -2) \cup (1, 6)$
Negative	$(-2, 1) \cup (6, 9)$
Increasing	$(-7, -3) \cup (-1, 3)$
Decreasing	$(-3, -1) \cup (3, 9)$
Domain	$(-7, 9)$
Range	$(-9, 9)$